



Product designation			Motor protection circuit breaker
Product type designation			SM3R
Electrical features			Cimore
Number of poles		Nr.	3
Magnetic protection			yes
Thermal protection			yes
Phase failure detection			yes
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	6
Rated frequency		Hz	50/60
Thermal trip adjustment range			7090
Rated current (In)		Α	90
Magnetic tripping			13 x ln
Power dissipation per pole			
	max	W	7
Operational short-circuit current breaking capacity (Ics) at AC			<u> </u>
Cporanonal orion on our orion or orion group (100) at 710	230V	kA	100
	400V	kA	38
	440V	kA	30
	500V	kA	6
	690V	kA	4
Maximum short-circuit current breaking capacity (Icu) at AC			
	230V	kA	100
	400V	kA	50
	440V	kA	40
	500V	kA	8
	690V	kA	5
Tripping class			10A
IEC Utilization category			A
Operations			
Mechanical life		cycles	50000
Electrical life		cycles	25000
Mechanical features			
Tightening torque for terminals			
	min	Nm	4.5
	max	Nm	4.5
	min	lbin	4.4
	max	lbin	4.4
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	min		18
	max		3
Flexible c/w lug conductor section			

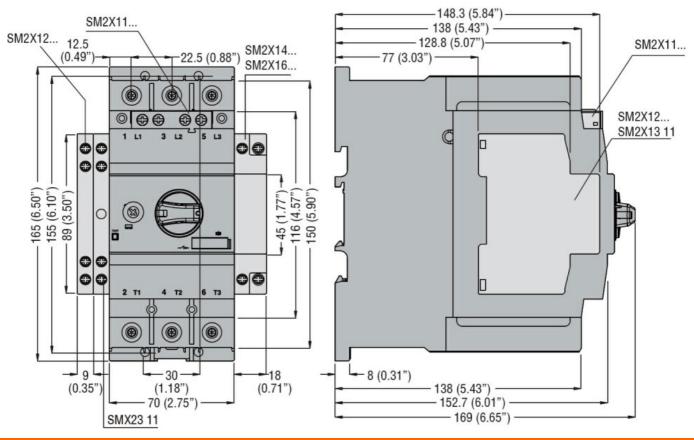




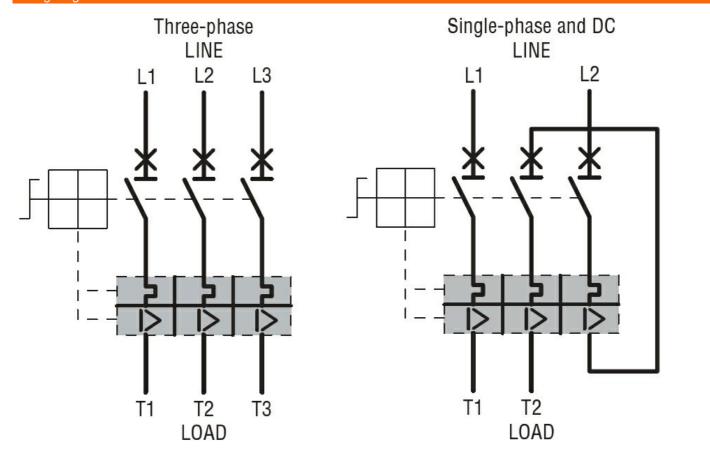
MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V, 70...90A

		min	mm²	10
		max	mm²	50
	Flexible with insulated spade lug conductor section		•	
		min	mm²	10
0		max	mm²	50
Screwdriver	'			Allen 4mm
	ection according to IEC/EN 60529			IP20
Cable stripping lengh	IT .	manin niversit		4
Ambient conditions		main circuit	mm	1
Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-20
		max	°C	+70
	Storage temperature	IIIax		+70
	Storage temperature	min	°C	-50
		max	°C	+80
	Compensation temperature	max		
	25portodiori torripordiaro	min	°C	-50
		max	°C	+40
Max altitude			m	3000
Operating position				
a paraming parametr		normal		Vertical plan
		allowable		Any
F' '				Screw / DIN rail
Fixing				35mm
Weight			g	2200
UL technical data				
Motor Disconnect				
		at 480V	kA	40
		at 600V	kA	10
		protection		Fuse or CB
Group Motor Installat	ion			
		at 480V	kA	40
		at 600V	kA	10
		protection		Fuse or CB
Tap Conductor Prote				
		at 480Y/277V	kA	40
		at 600Y/347V	kA	10
UL508 / UL 60947-4-	1 Manual Self Protected Combination Motor Controller (7			
		at 240V	kA	100
		at 480Y/277V	kA	40
Maximum UL/CSA ho	orsepower ratings single-phase			
		110V-120V	HP	7½
		220V-240V	HP	20
Maximum UL/CSA ho	orsepower ratings three-phase, 3-pole			
		200V-208V	HP	25
		220V-240V	HP	30
		440V-480V	HP	60
Discoursi		550V-600V	HP	75
Dimensions				





Wiring diagrams



Certifications and compliance

Certifications



SM3R9000

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V, 70...90A

CSA C22.2 n° 14			
IEC/EN 60947-1			
IEC/EN 60947-1			
IEC/EN 60947-4-1			
UL508			
cULus			
EAC			

ETIM classification

ETIM 8.0

Compliance

EC000074 -Motor protection circuit-breaker